

**CLAIMS**

1. Use of a matrix comprising at least one hyaluronic acid or a derivativ thereof, as a support for cellular growth for the preparation of biological material for th treatment of ulcers, lesions and diverticula of the digestive and gastrointestinal apparatus.
2. The use according to claim 1, wherein the hyaluronic acid derivatives ar hyaluronic acid esters wherein part or all of the carboxy functions are esterified with alcohols of the aliphatic, aromatic, arylaliphatic, cycloaliphatic, heterocyclic series.
3. The use according to claim 1, wherein the hyaluronic acid derivatives are th cross-linked esters of hyaluronic acid wherein part or all of the carboxy groups are esterified with the alcoholic functions of the same polysaccharide chain or other chains.
4. The use according to claim 1, wherein the hyaluronic acid derivatives are the cross-linked compounds of hyaluronic acid wherein part or all of the carboxy groups are esterified with polyalcohols of the aliphatic, aromatic, arylaliphatic, cycloaliphatic, heterocyclic series, generating cross-linking by means of spacer chains.
5. The use according to claim 1, wherein the hyaluronic acid derivatives are hemiesters of succinic acid or heavy metal salts of the hemiester of succinic acid with hyaluronic acid or partial or total esters of hyaluronic acid.
6. The use according to claim 1, wherein the hyaluronic acid derivatives are O-sulphated or N-sulphated hyaluronic acid derivatives.
7. The use according to claim 1, wherein the hyaluronic acid derivatives are hyaluronic acid amides wherein part or all the free carboxylic groups of hyaluronic acid are reacted with a primary or a secondary amine chosen from the group consisting of the aliphatic, aromatic, arylaliphatic, cycloaliphatic or heterocyclic amine, that can optionally be a pharmaceutically active substance.
8. The use according to claim 1, wherein the hyaluronic acid derivatives are amide wherein a deacylated amino group of hyaluronic acid or of a derivative thereof as defined in claims 2-6, is reacted with an acid chosen from the group consisting of the aliphatic, aromatic, arylaliphatic or cycloaliphatic acid, that can optionally be a

pharmaceutically active substance.

9. The use according to claim 1, wherein the said matrix is in the form of a non woven fabric.

10. The use according to claim 1, wherein the said matrix is in the form of a  
5 perforated membrane.

11. The use according to claim 1, wherein the cells are chosen from the group consisting of mature cells, mesenchymal cells, fibroblasts, epithelial cells and mixtures thereof.

12. A biological material comprising:

10 a) intestinal cells optionally together with fibroblasts, mesenchymal cells, mature cells and/or epithelial cells;

11 a) a matrix comprising at least one hyaluronic acid derivative as defined in claims  
2-8. *Claim 2*

13 The biological material according to claim 12, wherein said matrix is in the form  
15 of a non woven tissue.

14. The biological material according to claim 12, wherein said matrix is in the form of a perforated membrane.